

INTERNATIONAL SEARCH REPORT

International Application No
PCT/FR2004/001767

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N35/00 B01F11/00 B01L7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01N B01F B01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A X A X A	<p>WO 01/36982 A (MAXMAT SA ;CHOJNACKI ANDRE (FR); RANDRIANARIVO JEANET (FR)) 25 May 2001 (2001-05-25) the whole document</p> <p>US 2003/029254 A1 (HVIDTFELDT KRISTIAN J ET AL) 13 February 2003 (2003-02-13) abstract; figure 1 paragraph '0085! - paragraph '0091!</p> <p>US 2003/054542 A1 (BURNS RALPH E ET AL) 20 March 2003 (2003-03-20) abstract paragraph '0093! - paragraph '0138! paragraph '0241! - paragraph '0247!</p> <p style="text-align: center;">-/--</p>	<p>1-3,5,6, 9-18</p> <p>4,7,8</p> <p>1-3,5,6, 9-18 4,7,8</p> <p>1-3,5,6, 9-18 4,7,8</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

6 December 2004

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PCT/FR2004/001767

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 646 046 A (BRAUN PAUL JOSEPH ET AL) 8 July 1997 (1997-07-08) abstract; figures 1-4 column 7, line 3 - line 13 column 8, line 62 - column 9, line 18 column 10, line 39 - line 43 column 10, line 62 - column 11, line 32 -----	1-3,5,6, 9-18
Y	EP 1 174 717 A (ABX SA) 23 January 2002 (2002-01-23) abstract column 2, line 17 - column 4, line 44 -----	1-3,5,6, 17,18 7-16
A	WO 02/26386 A (AVANTIUM INTERNAT B V ;NESBITT GEOFFREY JOHN (NL); WAAL JAN CORNEL) 4 April 2002 (2002-04-04) abstract; figures 1,2 page 7, line 21 - page 9, line 34 -----	1-3,5,6, 17,18
A	EP 0 726 453 A (ABX SA) 14 August 1996 (1996-08-14) abstract; figures 1-3 -----	1-18
A	EP 0 634 660 A (ABX SA) 18 January 1995 (1995-01-18) page 1; figures 1,2 -----	1-18
A	US 5 578 268 A (CHAMPSEIX HENRI ET AL) 26 November 1996 (1996-11-26) abstract; figures 1,9 -----	1-18
A	US 2002/118594 A1 (THOMAS NATHAN ET AL) 29 August 2002 (2002-08-29) cited in the application abstract -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR2004/001767

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1174717	A		HU 0102720 A2	29-04-2002
			JP 2002071699 A	12-03-2002
			NO 20013592 A	22-01-2002
			US 2002021983 A1	21-02-2002
			ZA 200105480 A	17-01-2002
WO 0226386	A	04-04-2002	AU 1107402 A	08-04-2002
			EP 1322421 A2	02-07-2003
			WO 0226386 A2	04-04-2002
			US 2004050836 A1	18-03-2004
EP 0726453	A	14-08-1996	FR 2730315 A1	09-08-1996
			BR 9600549 A	30-12-1997
			DE 69621361 D1	04-07-2002
			DE 69621361 T2	02-01-2003
			EP 0726453 A1	14-08-1996
			ES 2175045 T3	16-11-2002
			HU 9600204 A2	28-07-1997
			JP 8248036 A	27-09-1996
			US 5665309 A	09-09-1997
EP 0634660	A	18-01-1995	FR 2707760 A1	20-01-1995
			AT 175780 T	15-01-1999
			AU 683885 B2	27-11-1997
			AU 6738394 A	27-01-1995
			CA 2127943 A1	16-01-1995
			DE 69415884 D1	25-02-1999
			DE 69415884 T2	26-08-1999
			EP 0634660 A1	18-01-1995
			ES 2127901 T3	01-05-1999
			FI 943361 A	16-01-1995
			HK 1008695 A1	14-04-2000
			JP 7146299 A	06-06-1995
			NO 942625 A	16-01-1995
			US 5569861 A	29-10-1996
			ZA 9405141 A	24-02-1995
US 5578268	A	26-11-1996	FR 2692358 A1	17-12-1993
			AT 160631 T	15-12-1997
			AU 675228 B2	30-01-1997
			AU 4331493 A	04-01-1994
			CA 2137789 A1	23-12-1993
			DE 69315433 D1	08-01-1998
			DE 69315433 T2	02-07-1998
			EP 0645006 A1	29-03-1995
			ES 2111750 T3	16-03-1998
			FI 945812 A	09-12-1994
			WO 9325885 A1	23-12-1993
			JP 3381034 B2	24-02-2003
			JP 7507633 T	24-08-1995
			NO 944800 A	12-12-1994
			ZA 9304091 A	19-01-1994
US 2002118594	A1	29-08-2002	NONE	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR2004/001767

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0136982	A	25-05-2001	FR 2801108 A1	18-05-2001
			AU 2014301 A	30-05-2001
			EP 1230553 A1	14-08-2002
			WO 0136982 A1	25-05-2001
US 2003029254	A1	13-02-2003	US 2003126914 A1	10-07-2003
US 2003054542	A1	20-03-2003	US 2002028489 A1	07-03-2002
			US 6335166 B1	01-01-2002
			US 2002098117 A1	25-07-2002
			US 2002137194 A1	26-09-2002
			US 2003027206 A1	06-02-2003
			US 2004115796 A1	17-06-2004
			US 6605213 B1	12-08-2003
			US 2001019826 A1	06-09-2001
			US 2002137197 A1	26-09-2002
			AU 765623 B2	25-09-2003
			AU 3772299 A	23-11-1999
			CA 2328069 A1	11-11-1999
			DE 29924635 U1	09-06-2004
			DE 1075328 T1	11-10-2001
			EP 1075328 A2	14-02-2001
			JP 2002513936 T	14-05-2002
			WO 9957561 A2	11-11-1999
US 5646046	A	08-07-1997	US 5236666 A	17-08-1993
			US 5708591 A	13-01-1998
			AT 282195 T	15-11-2004
			AU 688365 B2	12-03-1998
			AU 7566394 A	14-03-1995
			CA 2168452 A1	23-02-1995
			EP 0714506 A1	05-06-1996
			FI 960682 A	15-02-1996
			JP 3476826 B2	10-12-2003
			JP 9502021 T	25-02-1997
			WO 9505590 A1	23-02-1995
			AT 154700 T	15-07-1997
			AU 654807 B2	24-11-1994
			AU 7168891 A	26-06-1991
			CA 2068413 A1	02-06-1991
			DE 69030957 D1	24-07-1997
			DE 69030957 T2	20-11-1997
			DK 504313 T3	29-12-1997
			EP 0504313 A1	23-09-1992
			ES 2106774 T3	16-11-1997
			FI 922476 A	29-05-1992
			IE 904228 A1	05-06-1991
			JP 5503155 T	27-05-1993
			WO 9108464 A1	13-06-1991
			ZA 9009536 A	27-11-1991
EP 1174717	A	23-01-2002	FR 2812088 A1	25-01-2002
			AU 5405801 A	24-01-2002
			BR 0104022 A	26-02-2002
			CA 2353318 A1	21-01-2002
			CN 1334453 A	06-02-2002
			EP 1174717 A1	23-01-2002
			FI 20011544 A	22-01-2002